



Date: 27.03.2023

No. SH/PMC/BBMP/ BD / / 2023-24

To,
The Executive Engineer
Byatarayanapura Division,
Bruhat Bangalore Mahanagara Palike,

Dear Sir,

**Sub: (Package No. 2 Consists of 5 Works) Improvements to Roads and Drains at
Hegadenagara Eastern Side Balance Cross Roads in Ward no: 06
Bytarayanapura Sub Division.**

In reference to the above subject, this is to bring to your kind notice that we have scrutinized the 3rd and Part bill submitted by **M/s Sri Venkateshwara Constructions, Prop . Sri Sambashiva** towards the above said work and arrived at an amount of **Rs. 1,66,05,083.00** /-(Rupees One Crore Sixty Six Lakhs Five Thousand and Eighty Three Rupees Only). This work has been completed satisfactorily.

This is for your kind information.

Thank you and assuring you the best of our Services at all the times.

For M/s Shiprama Consulting Engineers Pvt Ltd Bangalore



DIRECTOR

ಸಹಾಯಕ ಅಭಿಯಂತರರು
೦೨.೦೩.೨೦೨೩ ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ



Name of the work: (Package No. 2 Consists of 5 Works) Improvements to Roads and Drains at Hegadenagara Eastern Side Roads in Ward no: 06 Bytarayanapura Sub Division.

Contractor/Agency : M/s Sri Venkateshwara Constructions, Prop . Sri Sambashiva

Name of the Client : BBMP

Estimated Cost : 1000.00 Lakhs

Status of Bill : 3rd and Part Bill.

In the Presence of : (a) Assistant Engineer,
BBMP, Bangalore.

: (b) Rohith K N Engineer
M/s Shiprama Consulting Engineers Pvt Ltd Bangalore.

Item No.	Description of Item	Comments/observation
1	Removing & Resetting of footpath slab/drain slab	Work done up to the billed quantity and quality is satisfactory
2	Earth work excavation by manual means for drains, canals and similar works in all kinds of soils, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenances required to complete the work. Page No. 7/ Item No. 1.4.1/ PWD SR 2021-22 (Vol-I)	Work done up to the billed quantity and quality is satisfactory

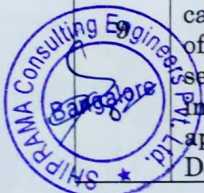


*ಸಹಾಯಕ ಅಭಿಯಂತರರು
ದಿ.ದಿ.ಎಂ.ಪಿ. ದ್ವೈತರಾಯನಪುರ ಉಪ ವಿಭಾಗ*

*ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ದ್ವೈತರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ದಿ.ದಿ.ಎಂ.ಪಿ., ಬಂಗಲೂರು-24*



3	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately (Page No.15 & Item No .2.1.2)PWD SR 2021-22 (Vol-III)	Work done up to the billed quantity and quality is satisfactory
4	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) (Page 15/2.2.1.1) PWD SR 2021-22 (Vol-I)	Work done up to the billed quantity and quality is satisfactory
5	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications.(V-III, I.No 13.1 Page No 99, PWD SR 2021-22)	Work done up to the billed quantity and quality is satisfactory
6	Providing precast slab of 100 mm thick including cost of all materials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge Data Rate	Work done up to the billed quantity and quality is satisfactory
7	Providing and fixing RCC precast cover slab of 230mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Work done up to the billed quantity and quality is satisfactory
8	Scarifying the existing bituminous road surface to a depth of 50 mm and disposal of scarified material by Mechanical Means using Hydraulic excavator with in all lifts and lead. Page No. 15/ Item No. 3.5/ PWD SR 2021-22 (Vol-III).	Work done up to the billed quantity and quality is satisfactory
	Earth work excavation for Foundation by mechanical means for all works & depth upto 3 m, as per drawing and technical specifications,including setting out, shoring, strutting, barricading, caution lights,including dressing of excavated surfaces, disposing off or levelling theexcavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m Including cost of labour, tools, usage of machinery & other appurtenances required to complete the work In all kinds of soils Depth upto 3 m	Work done up to the billed quantity and quality is satisfactory





10	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density. Page No. 24/ Item No. 4.27/ PWD SR 2021-22 (Vol-III).	Work done up to the billed quantity and quality is satisfactory
11	Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means. (P.No.29 It.No.5.1, PWD SR 2021-22 (Vol-III))	Work done up to the billed quantity and quality is satisfactory
12	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects.(Grade-II) (Pg:33, It.No-5.12 C PWD SR:2021-22 (Vol-III))	Work done up to the billed quantity and quality is satisfactory
13	Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.20 kg/m2 on the prepared bituminous surface cleaned with mechanical broom (P.No.29 It.No.5.3, PWD SR 2021-22 (Vol-III))	Work done up to the billed quantity and quality is satisfactory
14	Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using Crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.4 per cent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respect (Pg:36, It.No-5.16 C PWD SR:2021-22 (Vol-III))	Work done up to the billed quantity and quality is satisfactory
15	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/ m2 area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35:2015.The finished surface to be level, uniform and free from streaks and holes. Page No. 57/ Item No. 8.15 PWD SR 2021-22 (Vol-III).	Work done up to the billed quantity and quality is satisfactory
	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel	Work done up to the billed quantity and quality is satisfactory





	reinforcement & formwork shall be paid separately) Page No. 15/ Item No. 2.1.1/ PWD SR 2021-22 (Vol-I).	
17	Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including construction joints, , primer, sealant , curing of concrete slabs for 14- days, and water finishing to lines and grade as per drawing and technical specification clause 1501 with all lead, lifts, loading & unloading charges, cost and conveyance of all materials, labour, equipments etc., complete. as per the directions of the Engineer-in-charge of the work. Page No. 138/ Item No. 20.29/ PWD SR 2021-22 (Vol-III).	Work done up to the billed quantity and quality is satisfactory
18	Cost of Haulage Excluding Loading and Unloading Taking output 25 t load and lead 10 km = 250 t.km (Vol-III) Page No.3, Item No.1.4C of PWD SR 2021-22	Work done up to the billed quantity and quality is satisfactory

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ಸಹಾಯಕ ಅಭಿಯಂತರರು
 ಬಿ.ಬಿ.ಎಂ.ಪಿ. ವ್ಯಾಪಾರಯೋಜನಾಕರ ಉಪ ವಿಭಾಗ

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ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
 ವ್ಯಾಪಾರಯೋಜನಾಕರ ಉಪ ವಿಭಾಗ
 ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-೫೬

For M/s Shiprama Consulting Engineers Pvt Ltd Bangalore



DIRECTOR